

AMENDMENTS TO THE CLAIMS

1.-9. (Cancelled)

10. (Currently Amended) A disposable cartridge for use in blood testing comprising:

(a) a housing including multiple depressions formed on one surface of said housing, each of said depressions defining a main portion of a receptacle and connecting to at least one of channels disposed within said housing;

(b) a diaphragm sealing said multiple depressions and forming multiple said receptacle; portions of said diaphragm over said depressions being flexible; and

(c) a slide valve disposed within said housing among said channels adapted to interconnect selected channels for directing flow between selected receptacles,

wherein displacement of a valve slide of said slide valve interconnects selected channels between selected receptacles.

11. (Previously Presented) The disposable cartridge of claim 10, wherein one or more of said depressions includes a sealed opening adapted to interface with a needle of a cell counting device.

12. (Previously Presented) The disposable cartridge of claim 11, wherein at least one of said receptacles contains a liquid diluting agent.

13. (Previously Presented) The disposable cartridge of claim 12, wherein one of said receptacles contains a haemolysis agent.

14. (Cancelled)

15. (Currently Amended) The disposable cartridge of ~~claim 14~~ claim 10, wherein said slide valve comprises at least one channel in said valve slide in communication with a blood sampling capillary tube, and displacement of said valve slide causes displacing a volume of a blood sample within said channel of said valve slide into one of said receptacles.

16. (Previously Presented) The disposable cartridge of claim 10, wherein said housing has integrated therein a light path for performing photometric measurement on material contained in at least one of said receptacles.

17. (Previously Presented) The disposable cartridge of claim 10 further comprising an additional depression sealed by said diaphragm forming an additional receptacle; said additional depression having a sealed opening adapted to interface with a needle of a cell

counting device; and said additional receptacle containing a washing liquid for cleaning said cell counting device.

18-27. (Cancelled)

28. (New) The disposable cartridge of claim 10, wherein said valve slide comprises a valve channel having a defined volume disposed on a surface of said valve slide.

29. (New) The disposable cartridge of claim 28, wherein said displacement of said valve slide interconnects selected receptacles through said valve channel.

30. (New) The disposable cartridge of claim 29, wherein said displacement of said valve slide displaces a defined volume of a sample contained in said valve channel into one of said receptacles.

31. (New) A disposable cartridge for use in blood testing comprising:
(a) a housing including a generally flat top side and multiple depressions formed on said top side, each of said depressions defining a main portion of a receptacle and connecting to at least one of channels disposed within said housing;

(b) a diaphragm sealingly attached to said top side of said housing, covering said multiple depressions and forming multiple said receptacle; portions of said diaphragm over said depressions being flexible; and

(c) a slide valve comprising a valve slide having a valve channel disposed on a surface of said valve slide, said slide valve disposed within said housing among said channels adapted to interconnect selected channels for directing flow between selected receptacles through said valve channel; wherein displacement of said valve slide interconnects selected channels between selected receptacles through said valve channel.

32. (New) The disposable cartridge of claim 31, wherein said displacement of said valve slide displaces a sample of said defined volume contained in said valve channel into one of said receptacles.

33. (New) The disposable cartridge of claim 31, wherein at least one of said receptacles contains a liquid diluting agent.

34. (New) The disposable cartridge of claim 31, wherein one of said receptacles contains a haemolysis agent.

35. (New) The disposable cartridge of claim 31, wherein said housing has integrated therein a light path for performing photometric measurement on material contained in at least one of said receptacles.

36. (New) The disposable cartridge of claim 31 further comprising an additional depression sealed by said diaphragm forming an additional receptacle; said additional depression having a sealed opening adapted to interface with a needle of a cell counting device; and said additional receptacle containing a washing liquid for cleaning said cell counting device.

37. (New) A disposable cartridge for use in blood testing comprising:

- (a) a housing including a generally flat top side and multiple depressions formed on said top side, each of said depressions defining a main portion of a receptacle and connecting to at least one of channels disposed within said housing;
- (b) a diaphragm sealingly attached to said top side of said housing, covering said multiple depressions and forming multiple said receptacle; portions of said diaphragm over said depressions being flexible; and
- (c) a valve comprising at least one valve channel having a defined volume, said valve disposed within said housing among said channels adapted to interconnect selected channels between selected receptacles for directing flow between selected receptacles through said valve channel, wherein said valve displaces a sample with said defined volume

entrapped in said at least one valve channel into selected channels between selected receptacles.

38. (New) The disposable cartridge of claim 37, wherein at least one of said receptacles contains a liquid diluting agent.

39. (New) The disposable cartridge of claim 37, wherein one of said receptacles contains a haemolysis agent.

40. (New) The disposable cartridge of claim 37, wherein said housing has integrated therein a light path for performing photometric measurement on material contained in at least one of said receptacles.

41. (New) The disposable cartridge of claim 37 further comprising an additional depression sealed by said diaphragm forming an additional receptacle; said additional depression having a sealed opening adapted to interface with a needle of a cell counting device; and said additional receptacle containing a washing liquid for cleaning said cell counting device.